

ROBINSON OIL CORPORATION



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February 2, 2006

Ms. Kelli Felker
Apex Envirotech, Inc.
11244 Pyrites Way
Gold River, CA 95670
FAX (916) 851-0177

Site Location: Rotten Robbie #60
55 East Todd Rd.
Santa Rosa, CA

Report Title: Fourth Quarter 2005 Groundwater Monitoring Report

Report Date: January 20, 2006

Dear Ms. Felker:

I have reviewed and approved the above referenced report. Please submit it to the regulatory agencies listed in the distribution section of the report. Should any of the listed regulatory agencies require it, I am prepared to declare, under penalty of perjury, that to the best of my knowledge the information in the above referenced report is true and correct.

Sincerely,

A handwritten signature in black ink that appears to read "Thomas L. Robinson".

Thomas L. Robinson



11244 Pyrites Way • Gold River, CA 95670
Phone 916 851 0174 • Fax 916 851 0177 • Toll Free 1.800 242 5249

January 20, 2006

Ms. Peggy Carr
Sonoma County Department of Health Services
475 Aviation Boulevard, Suite 220
Santa Rosa, California 95403-2097

Subject: **Fourth Quarter 2005 Groundwater Monitoring Report**
Rotten Robbie Service Station No. 60
55 E. Todd Road, Santa Rosa, Sonoma County, California
Apex Project No. RMA01.001

Dear Ms. Carr:

Apex Envirotech, Inc. (Apex) has been authorized by Robinson Oil Corporation (Robinson) to provide this report documenting the results of the fourth groundwater monitoring event conducted on December 2, 2005. Groundwater monitoring results are provided in the attached figures and tables. Apex standard operating procedures, field data, and analytical results are provided as attachments.

This report is based in part, on information obtained by Apex from Robinson and is subject to modification as newly acquired information may warrant.

SITE DESCRIPTION

The subject property is located at 55 East Todd Road, Santa Rosa, Sonoma County, California. The site has historically been operated as Dave's Pit Stop, a retail automotive and truck fueling station and convenience store.

BACKGROUND

August 18, 2003 - RM Associates (RMA) supervised the installation of eight soil borings at the subject property as part of a Phase II Environmental Site Assessment conducted in association with the sale of the property from Mr. Dave Zedrick to Robinson. RMA collected soil samples from three of the borings and groundwater samples from all eight of the borings. RMA documented the results in, *Report of Phase II Environmental Site Assessment*, dated October 13, 2003.

September 9, 2003 - Sonoma County Department of Health Services (SCDHS) requests a workplan to investigate the site.

November 4 - 5, 2003 - Soil and pavement were excavated from above the former gasoline and diesel underground storage tanks (UST). The materials were temporarily stockpiled onsite, pending analysis and profiling. RMA sampled the stockpiled soil on November 6, 2003.

November 7, 2003 - Armer/Norman and Associates removed the five former USTs. No holes were noted in any of the USTs. Under the direction of the Sonoma County Department of Emergency Services and the SCDHS, RMA collected confirmation soil samples from the UST basin. Ecology Control Industries under Uniform Hazardous Waste Manifests hauled the USTs offsite.

November 10, 2003 - RMA collected five 4:1 composite soil samples from the stockpiled soil that had been removed from the new UST location.

December 3, 2003 - The former product lines and dispensers were removed. RMA collected confirmation samples and six 4:1 composite samples from the stockpiled soil.

January 16, 2004 - RMA documented the results of the UST removal and replacement, *Report of Underground Storage Tank Removal*.

February 23, 2004 - Apex submitted, *Workplan for Preliminary Site Assessment*, outlining the installation and sampling of 10 direct-push soil borings and four groundwater monitoring wells. The SCDHS approved the workplan in a letter dated March 9, 2004.

June 15 - 16, 2004 - Apex supervised the installation of nine direct-push soil borings (GP-1, GP-3 through GP-10) to delineate the lateral and vertical extent of soil and groundwater contamination beneath the site. GP-1, GP-3, GP-4 and GP-6 through GP-10 were drilled to a total depth of 12 feet bgs, and GP-5 was drilled to a total depth of 20 feet bgs.

July 7 - July 9, 2004 - Apex personnel supervised vacuum clearing, drilling, sampling and installation of four groundwater monitoring wells (MW-1 through MW-4).

November 9, 2004 - Apex submitted the report, *Preliminary Site Assessment Results Report and Fourth Quarter 2004 Groundwater Monitoring Report*, detailing activities and results for boring and monitoring well installation activities.

December 30, 2004 - SCDHS requested a workplan to complete characterization of the site. In addition, the SCDHS requested completion of a sensitive receptor survey.

March 2, 2005 - Apex submitted the report, *Sensitive Receptor Survey and Workplan for Additional Site Characterization*, proposing the installation of three additional soil borings, and five groundwater monitoring wells to further characterize the site.

April 28, 2005 - Apex submitted a "Clarification Letter" to address the concerns of the SCDHS.

May 16, 2005 - The SCDHS approved the workplan, dated March 2, 2005.

October 4-6, 2005 - Apex personnel supervised the installation of four additional onsite groundwater monitoring wells (MW-5 through MW-7), three direct push borings (GP-1B, GP-5B, and GP-11), and is currently preparing a results report documenting drilling activities.

GENERAL SITE INFORMATION

Site name: Rotten Robbie Service Station
Site address: 55 E. Todd Road, Santa Rosa, California
Responsible party: Mr. Tom Robinson
Current site use: Active gasoline station
Tanks at site: 1,000 gallon, 2-20,000 gallon, and 2-12,000 gallon
Number of wells: 7 monitoring wells

GROUNDWATER MONITORING SUMMARY

Gauging and sampling date: December 2, 2005
Wells gauged and sampled: MW-1 through MW-7
Wells gauged only: None
Groundwater flow direction: West southwest
Groundwater gradient: 0.023 ft/ft
Floating liquid hydrocarbon: None
Laboratory: California Laboratory Services, Inc., Rancho Cordova, California

Analysis Performed:

Analysis	Abbreviation	Designation	USEPA Method No.
Total Petroleum Hydrocarbons as Gasoline	TPHg	Gas/Diesel Range Hydrocarbons	8015 Modified
Total Petroleum Hydrocarbons as Diesel	TPHd		
Benzene	BTEX	Aromatic Volatile Organics	8021B
Toluene			
Ethylbenzene			
Xylenes (Total)			
Tertiary Butyl Alcohol	TBA	Seven Fuel Oxygenates	8260B
Methyl Tertiary Butyl Ether	MTBE		
Di-isopropyl Ether	DIPE		
Ethyl Tertiary Butyl Ether	ETBE		
Tertiary Amyl Methyl Ether	TAME		
Methanol			
Ethanol			8015M
1,2-Dichloroethane	1,2 - DCA	Lead Scavengers	8260B
Ethylene dibromide	EDB		

Modifications from Standard Monitoring Program:

None

CONCLUSIONS

Based on groundwater analytical results, well MW-1 contains concentrations of ethylbenzene and total xylenes at historical highs. Well MW-4 was within historical limits. Concentrations of MTBE were detected at an historical high at well MW-3. Well MW-2 concentrations remain reduced this quarter. Newly installed well MW-5 contained elevated levels of TPHg, TPHd, BTEX, MTBA and TBA. MTBE and TBA were detected at low concentrations at well MW-6. Well MW-7 was below laboratory detection limits for all analyzed constituents.

The isoconcentration maps (Figures 4 through 7) show the plumes currently not defined downgradient.

Groundwater elevation has increased an average of 1.11 feet this quarter.

RECOMMENDATIONS

Apex recommends continued groundwater monitoring. The next sampling event is scheduled for March 2006.

ADDITIONAL ACTIVITIES PERFORMED AT SITE

Apex is currently awaiting encroachment permits for the installation of two additional groundwater monitoring wells offsite (MW-8 and MW-9). Apex is also preparing a results report documenting the installation of wells (MW-5 through MW-7) installed on October 4, 2005, and direct push borings (GP-1B, GP-5B, GP-11) advanced on October 6, 2005.

ATTACHMENTS:

Figure 1: Site Vicinity Map

Figure 2: Site Plan Map

Figure 3: Groundwater Contour Map: December 2, 2005

Figure 4: TPHg in Groundwater Isoconcentration Map: December 2, 2005

Figure 5: TPHd in Groundwater Isoconcentration Map: December 2, 2005

Figure 6: Benzene in Groundwater Isoconcentration Map: December 2, 2005

Figure 7: MTBE in Groundwater Isoconcentration Map: December 2, 2005

Table 1: Well Construction Details

Table 2: Groundwater Elevation Data

Table 3: Groundwater Analytical Data

Appendix A: Apex Standard Operating Procedures

Appendix B: Field Data Sheets

Appendix C: Laboratory Analytical Report and Chain-of-Custody Form

REPORT DISTRIBUTION:

Apex submitted copies of this report to:

Ms Peggy Carr
Sonoma County Department of Health Services
475 Aviation Boulevard, Suite 220
Santa Rosa, California 95403-2097
(707) 565-6577

Mr. Luis Rivera
North Coast Regional Water Quality Control Board
5550 Skylane Boulevard, Suite A
Santa Rosa, California 95403

Mr. Tom Robinson

Mr. Ron Michelson

Mr. Dave Zedrick

REMARKS/SIGNATURES

The information contained within this Report reflects our professional opinions and was developed in accordance with currently available information, and accepted hydrogeologic and engineering practices.

The proposed work described above will be performed under the direct supervision of the professional geologist, registered with the State of California, whose signature appears below.

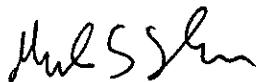
We appreciate the opportunity to provide Robinson Oil Corporation with geologic, engineering and environmental consulting services, and trust this Report meets your needs. If you have any questions or comments, please call us at (916) 851-0174.

Sincerely,

APEX ENVIROTECH, INC.



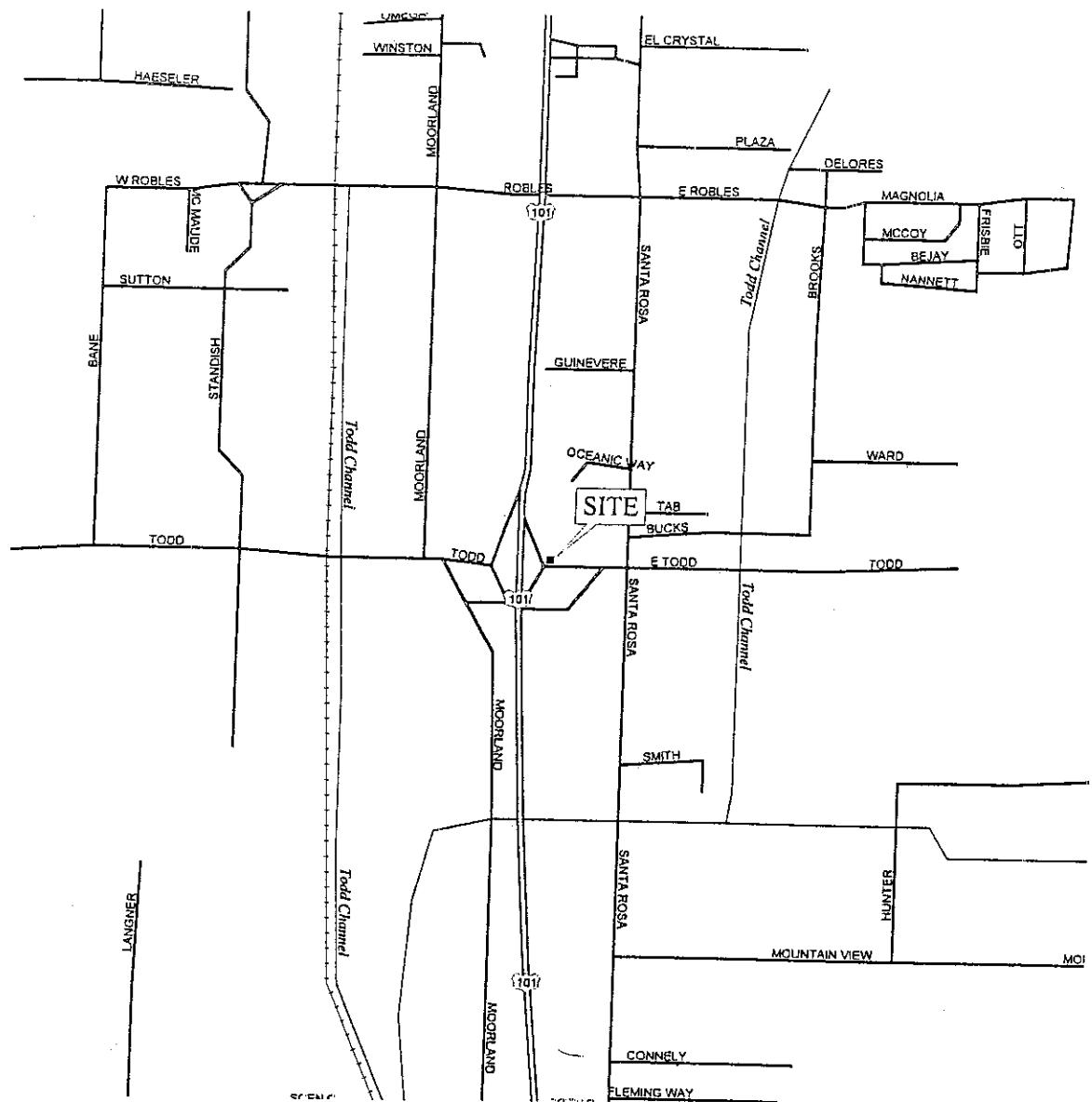
Kelli Felker
Project Manager



Michael S. Sgourakis, P.G.
Senior Project Manager
CPG No. 7194



FIGURES



0 0.25 0.5

Approximate Scale
1 inch = 0.25 miles



N

DRAWN BY:	D. Alston
DATE:	2/10/04
REVISIONS	

SITE VICINITY MAP

Rotten Robbie Service Station No 60
55 Todd Road
Santa Rosa, California

FIGURE

1

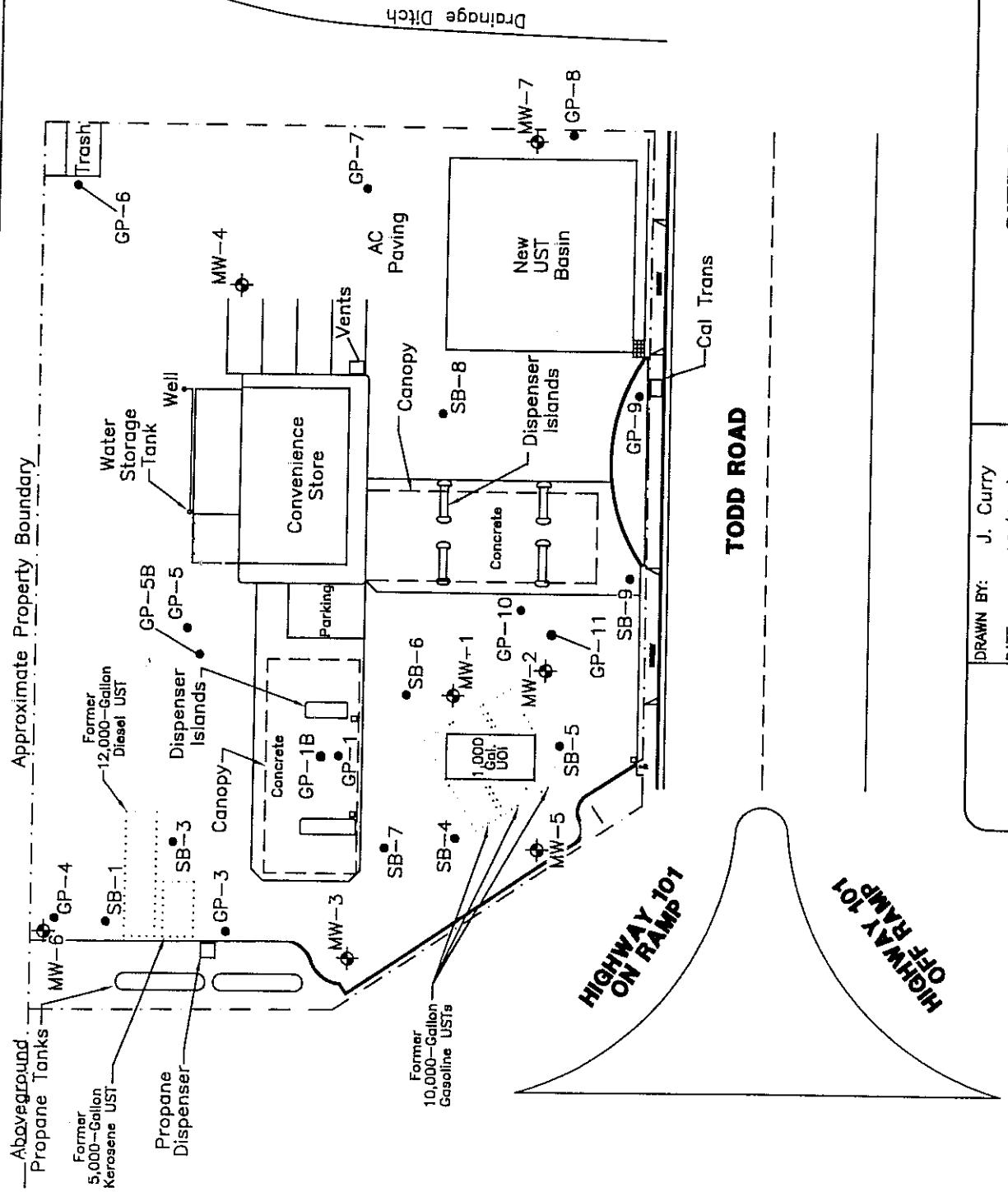
PROJECT NUMBER:

RMA01.001



LEGEND

- Soil Boring Location
- Drain Inlet
- Geoprobe Location
- Monitoring Well Location
- Storm Drain
- Electrical Vault
- Sewer
- ◎ Pac Bell
- UOI Underground Oil Interceptor



FIGURE

2PROJECT NUMBER:
RMA01.001**SITE PLAN MAP**

DRAWN BY:	J. Curry
DATE:	10/19/05
REVISIONS	



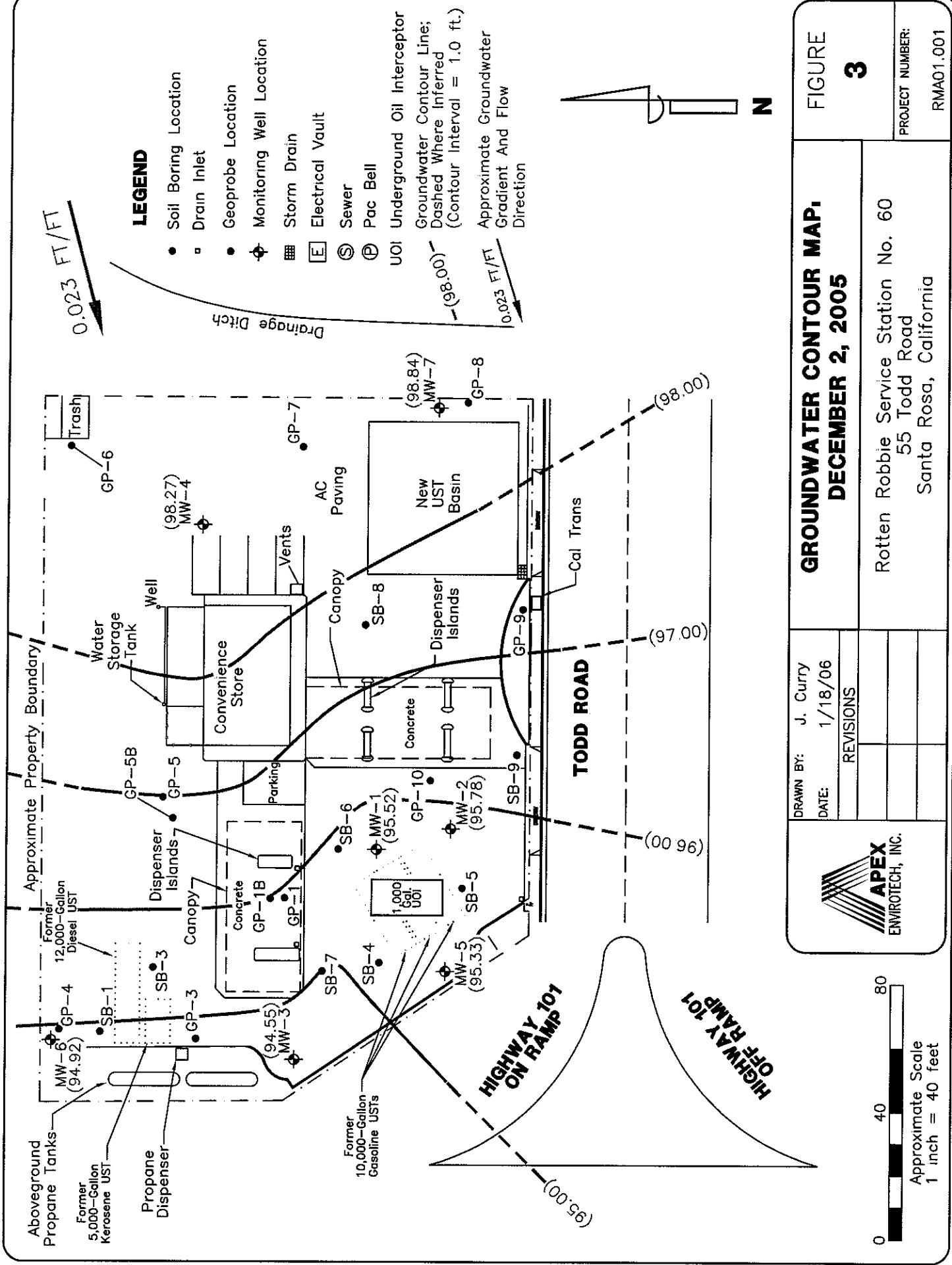
Approximate Scale
1 inch = 40 feet

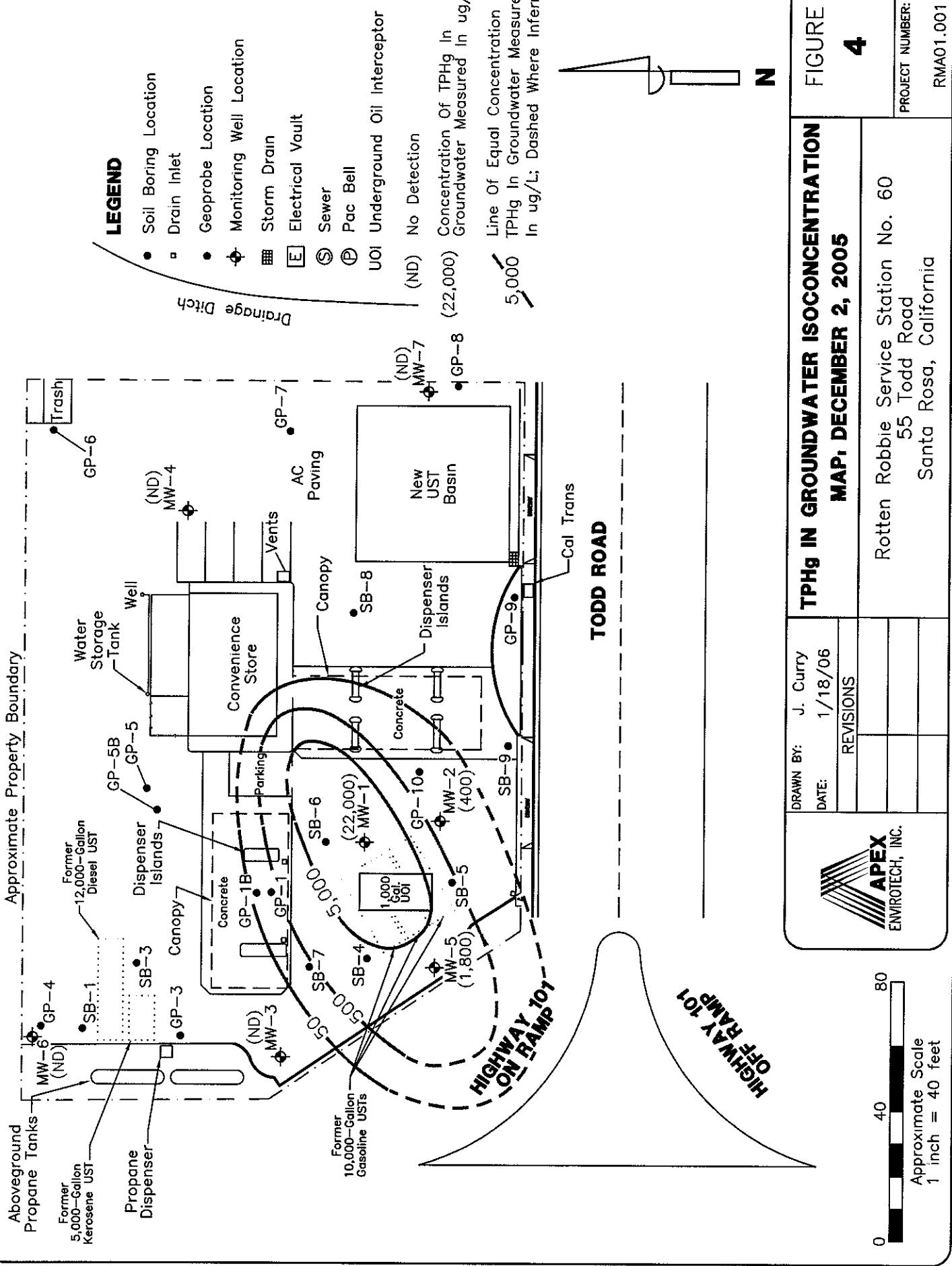
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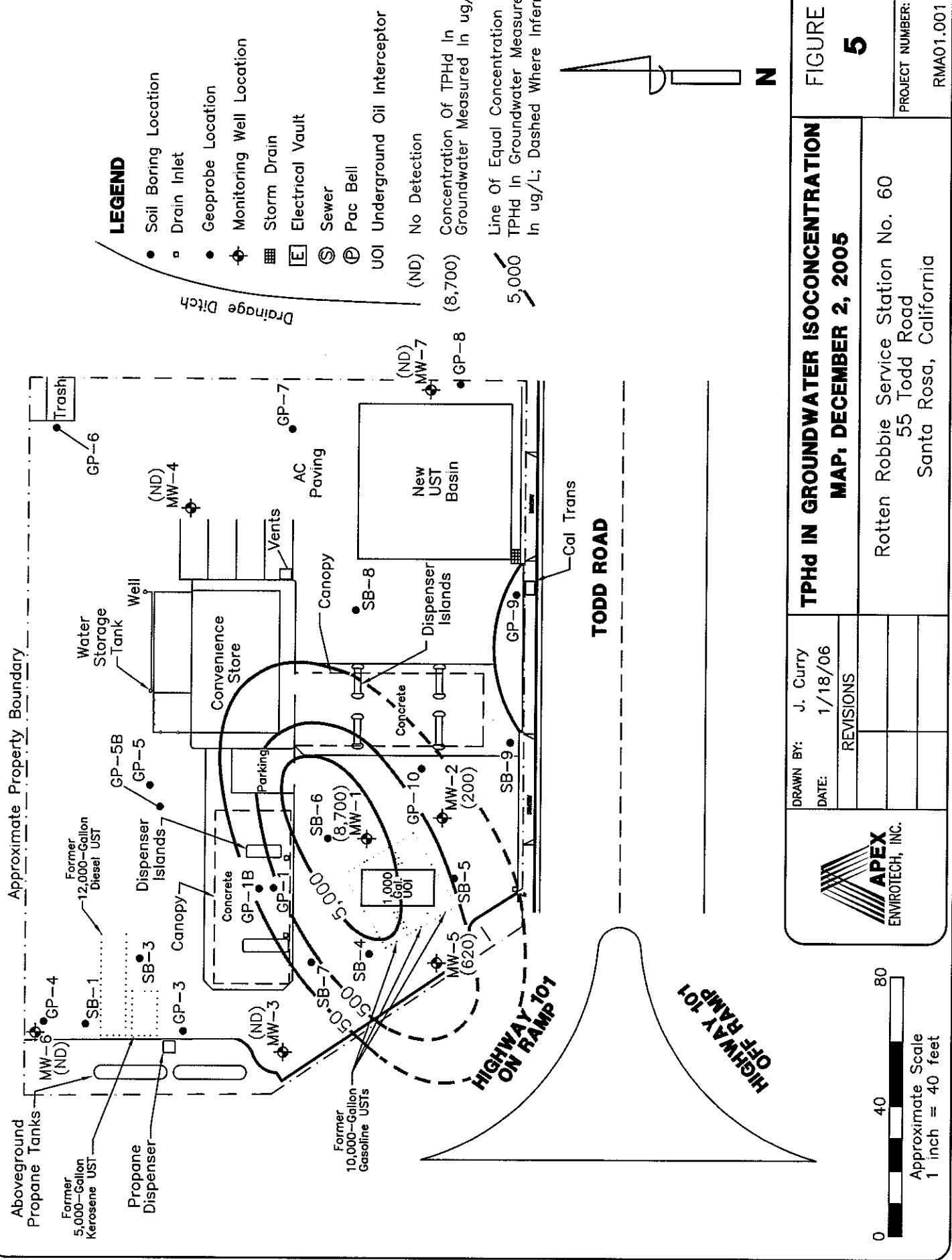
HIGHWAY ON RAMP 101

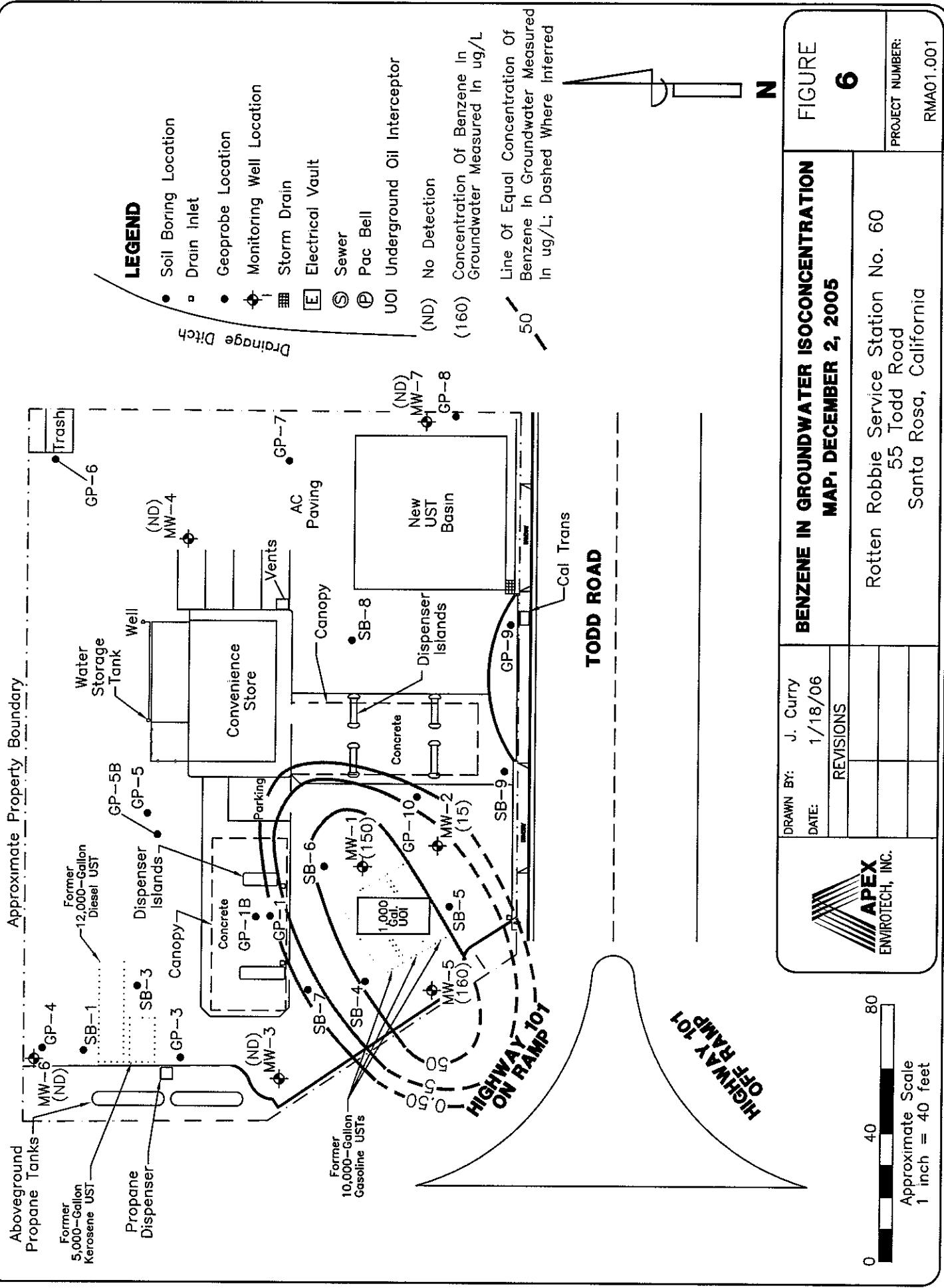
55 Todd Road

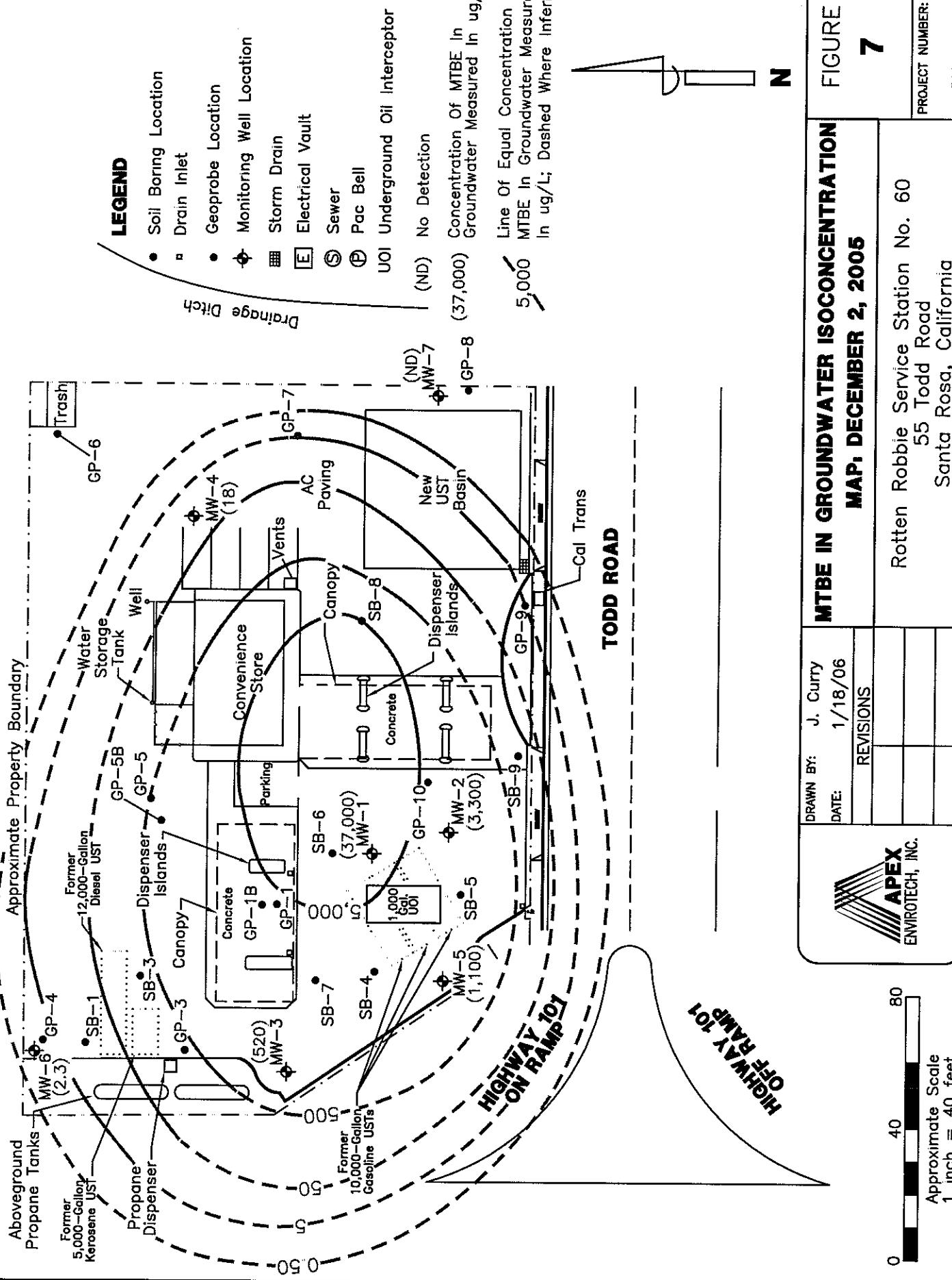
Santa Rosa, California











TABLES

TABLE 1
WELL CONSTRUCTION DETAILS
Rotten Robbie Service Station
55 E. Todd Road
Santa Rosa, California

Well Number	Well Installation Date	*Elevation TOC (feet)	Casing Material	Total Depth (feet)	Well Depth (feet)	Casing Diameter (inches)	Screened Interval (feet)	Filter Pack Interval (feet)
MW-1	7/9/04	104.67	PVC	23	23	6	3-23	2-23
MW-2	7/8/04	104.15	PVC	23	23	4	3-23	2-23
MW-3	7/8/04	104.87	PVC	23	23	4	3-23	2-23
MW-4	7/8/04	105.94	PVC	23	23	2	3-23	2-23
MW-5	10/4/05	104.27	PVC	23	23	2	3-23	2-23
MW-6	10/4/05	105.85	PVC	23	23	2	3-23	2-23
MW-7	10/4/05	104.15	PVC	23	23	2	3-23	2-23

Notes:

* = Surveyed by Apex Envirotech Inc to mean sea level

TOC = Top of Casing

PVC = Polyvinyl Chloride

TABLE 2
GROUNDWATER ELEVATION DATA
Rotten Robbies
55 Todd Road
Santa Rosa, California

Monitoring Well	Date	Reference Elevation (top of casing)	Depth to Groundwater	Groundwater Elevation
MW-1	10/20/04	104 67	11.89	92.78
	02/09/05		6.32	98.35
	05/12/05		4.94	99.73
	09/13/05		9.99	94.68
	12/02/05		9.15	95.52
MW-2	10/20/04	104 15	10.99	93.16
	02/09/05		5.85	98.30
	05/12/05		4.49	99.66
	09/13/05		9.45	94.70
	12/02/05		8.37	95.78
MW-3	10/20/04	104 87	12.95	91.92
	02/09/05		6.87	98.00
	05/12/05		5.29	99.58
	09/13/05		11.02	93.85
	12/02/05		10.32	94.55
MW-4	10/20/04	105.94	10.86	95.08
	02/09/05		6.83	99.11
	05/12/05		6.09	99.85
	09/13/05		9.48	96.46
	12/02/05		7.67	98.27
MW-5	12/02/05	104 27	8.94	95.33
MW-6	12/02/05	105.85	10.93	94.92
MW-7	12/02/05	104.15	5.31	98.84

TABLE 3
GROUNDWATER ANALYTICAL DATA
Rotten Robbles
55 Todd Road
Santa Rosa, California

Sample ID	Date Collected	TPH as Gasoline			Aromatic Volatile Organics			Seven Oxigenates						Lead Scavengers		
		TPH as Diesel	Benzene	Toluene	Ethy-benzene	Total Xylenes	DIPPE	ETBE	MTBE	TAME	TBA	Mathanol	Ethanol	1,2-DCA	EDB	
		($\mu\text{g/L}$)	($\mu\text{g/L}$)	($\mu\text{g/L}$)	($\mu\text{g/L}$)	($\mu\text{g/L}$)	($\mu\text{g/L}$)	($\mu\text{g/L}$)	($\mu\text{g/L}$)	($\mu\text{g/L}$)	($\mu\text{g/L}$)	($\mu\text{g/L}$)	($\mu\text{g/L}$)	($\mu\text{g/L}$)		
MW-1	07/29/04	13,000	11,000	280	860	470	2,700	<40	<40	1,300	<40	<400	<2.0	<40	<40	
	10/20/04	3,200	19,000	150	340	190	760	<0.50	<0.50	8,100	180	3,400	5.6	2.0	...	
	02/09/05	24,000	3,400	1,300	2,100	1,200	4,500	<250	<250	14,000	<250	<2,500	<2.0	<250	<250	
	05/12/05	15,000	6,000	1,100	440	980	1,500	<50	<50	11,000	150	2,800	4.4	<2.0	<50	
	09/13/05	21,000	6,900	940	1,300	1,300	3,800	<100	<100	2,800	<100	<1,000	<2.0	<2.0	<100	
	12/02/05	22,000	8,700	150	1,800	1,500	5,300	<25	<25	37,000	200	25,000	<2.0	<2.0	<25	
MW-2	07/29/04	4,600	2,600	160	12	56	290	<80	<80	13,000	85	4,300	<2.0	<2.0	<80	
	10/20/04	2,100	220	20	57	86	<0.50	1.0	9,900	120	16,000	<2.0	<2.0	3.3	...	
	02/09/05	6,100	280	77	89	77	240	<50	<50	16,000	180	20,000	<2.0	<2.0	<50	<50
	05/12/05	2,200	350	100	23	46	87	<50	<50	30,000	560	37,000	<2.0	<2.0	<2.0	<250
	09/13/05	550	<50	46	6.5	17	17	<250	<250	3,900	<250	8,700	<2.0	<2.0	<250	<250
	12/02/05	400	200	15	4.4	15	16	<25	<25	3,300	37	11,000	<2.0	<2.0	<25	<25
MW-3	07/29/04	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	120	<0.50	240	<2.0	<2.0	<0.50	<0.50
	10/20/04	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	110	1.5	2,200	<2.0	<2.0	<0.50	...
	02/09/05	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	160	0.54	310	<2.0	<2.0	<0.50	<0.50
	05/12/05	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	61	<0.50	290	<2.0	<2.0	<0.50	<0.50
	09/13/05	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	95	<0.50	140	<2.0	<2.0	<0.50	<0.50
	12/02/05	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	520	<2.5	1,100	<2.0	<2.0	<2.5	<2.5
MW-4	07/29/04	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	7.0	<0.50	<5.0	<2.0	<2.0	<0.50	<0.50
	10/20/04	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	14	1.1	110	<2.0	<2.0	<0.50	<0.50
	02/09/05	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	19	<0.50	<5.0	<2.0	<2.0	<0.50	<0.50
	05/12/05	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	19	<0.50	15	<2.0	<2.0	<0.50	<0.50
	09/13/05	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	15	<0.50	<5.0	<2.0	<2.0	<0.50	<0.50
	12/02/05	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	18	<0.50	24	<2.0	<2.0	<0.50	<0.50
MW-5	12/02/05	1,800	620	25	51	42	<25	<25	1,100	<25	12,000	<2.0	<2.0	<25	<25	
MW-6	12/02/05	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	2.3	<0.50	36	<2.0	<2.0	<0.50	<0.50
MW-7	12/02/05	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<5.0	<2.0	<2.0	<0.50	<0.50

Notes:

*TPH - Total Petroleum Hydrocarbons
MTBE - Methyl Tertiary Butyl Ether
DIPPE - Diisopropenyl Ether
ETBE - Ethyl Tertiary Butyl Ether
EDB - Ethylene Dibromide
TAME - Tertiary Amyl Methyl Ether
TBA - Tertiary Butyl Alcohol

mg/L - milligrams per liter

ug/L - micrograms per liter

< - Below Laboratory Detection Limit

--- - not sampled

APPENDIX A

APEX STANDARD OPERATING PROCEDURES

APEX ENVIROTECH, INC.
STANDARD OPERATING PROCEDURES
Quarterly Monitoring Reports

SOP – 4
SAMPLE IDENTIFICATION AND CHAIN-OF-CUSTODY PROCEDURES

Sample identification and chain-of-custody procedures ensure sample integrity as well as document sample possession from the time of collection to ultimate disposal. Each sample container submitted for analysis is labeled to identify the job number, date, time of sample collection, a sample number unique to the sample, any in-field measurements made, other pertinent field observations also recorded on the field excavation or boring logs.

Chain-of-custody forms are used to record possession of the sample from time of collection to arrival at the laboratory. During shipment, the person with custody of the samples will relinquish them to the next person by signing the chain-of-custody form(s) and noting the date and time. The sample control officer at the laboratory will verify sample integrity, correct preservation, confirm collection in the proper container(s), and ensure adequate volume for analysis.

If these conditions are met, the samples will be assigned unique laboratory log numbers for identification throughout analysis and reporting. The log numbers will be recorded on the chain-of-custody forms and in the legally-required log book maintained in the laboratory. The sample description, date received, client's name, and any other relevant information will also be recorded.

SOP – 5
LABORATORY ANALYTICAL QUALITY ASSURANCE AND CONTROL

In addition to routine instrument calibration replicates, spikes, blanks, spiked blanks, and certified reference materials are routinely analyzed at method-specific frequencies to monitor precision and bias. Additional components of the laboratory Quality Assurance/Quality Control program include:

1. Participation in state and federal laboratory accreditation/certification programs;
2. Participation in both U.S. EPA Performance Evaluation studies (WS and WP studies) and inter-laboratory performance evaluation programs;
3. Standard operating procedures describing routine and periodic instrument maintenance;
4. "out-of-Control"/Corrective Action documentation procedures; and,
5. Multi-level review of raw data and client reports

SOP – 7
GROUNDWATER PURGING AND SAMPLING

Prior to water sampling, each well is purged by evacuating a minimum of three wetted well-casing volumes of groundwater. When required, purging will continue until either the discharge water temperature, conductivity, or pH stabilize, a maximum of ten wetted-casing volumes of groundwater have been recovered, or the well is bailed dry.

When practical, the groundwater sample should be collected when the water level in the well recovers to at least 80 percent of its static level.

The sampling equipment consists of either a "Teflon" bailer, PVC bailer, or stainless steel bladder pump with a "Teflon" bladder. If the sampling system is dedicated to the well, then the bailer is usually "Teflon," but the bladder pump is PVC with a polypropylene bladder. In general and depending on the intended laboratory analysis, 40-milliliter glass, volatile organic analysis (VOA) vials, with "Teflon" septa, are used as sample containers.

SOP – 12
MEASURING LIQUID LEVELS USING WATER LEVEL METER OR INTERFACE PROBE

Field equipment used for liquid-level gauging typically includes the measuring instrument (water-level meter or interface probe and product bailer(s)). The field kit also includes cleaning supplies (buckets, solution, spray bottles, and deionized water) to be used in cleaning the equipment between wells.

Prior to measurements, the instrument tip is lowered into the well until it touches bottom. Using the previously established top-of-casing or top-of-box (i.e., wellhead vault) point, the probe cord (or halyard) is marked and a measuring tape (graduated in hundredths of a foot) is used to determine the distance between the probe end and the marking on the cord. This measurement is then recorded on the liquid-level data sheet as the "Measured Total Depth" of the well.

When necessary in using the interface probe to measure liquid levels, the probe is first electrically grounded to either the metal stove pipe or another metal object nearby. When no ground is available, reproducible measurements can be obtained by clipping the ground lead to the handle of the interface probe case.

The probe tip is then lowered into the well and submerged in the groundwater. An oscillating (beeping) tone indicates the probe is in water. The probe is slowly raised until either the oscillating tone ceases or becomes a steady tone. In either case, this is the depth-to-water (DTW) indication of the DTW measurement is made accordingly. The steady tone indicates floating liquid hydrocarbons (FLH). In this case, the depth-to-product (DTP) indication and the DTP measurement is made accordingly.

The process of lowering and raising the probe must be repeated several times to ensure accurate measurements. The DTW and DTP measurements are recorded on the liquid-level data sheet. When FLH are indicated by the probe's response, a product bailer is lowered partially through the FLH water interface to confirm the FLH thickness, particularly in cases where the FLH layer is quite thin. This measurement is recorded on the data sheet as 'FLH thickness.'

In order to avoid cross-contamination of wells during the liquid-level measurement process, wells are measured in the order of 'clean' to 'dirty' (where such information is available). In addition, all measurement equipment is cleaned with solution and thoroughly rinsed with deionized water before use, between measurements in respective wells, and at the completion of the day's use.

APPENDIX B

FIELD DATA SHEETS



Groundwater Level Data Sheet

Project RMA01.001
Location Santa Rosa, CA
Date 11/29 & 12/2/05
Recorded By RCM

11/29
↓

WELL NAME	TIME	DEPTH TO PRODUCT	DEPTH TO WATER	DEPTH TO BOTTOM	WATER COLUMN	WELL VOLUME	PURGE VOLUME	COMMENTS / OBSERVATIONS
MW-5	1150	9.38	23.40	14.02	2.24	$\approx 22.43 \times 10^3$	development purge	
-6	1130	11.33	23.40	12.07	1.93	19.31		
✓ -7	1140	6.01	23.30	17.29	2.76	27.66	✓	↓

6" 12/2
4"
4"

MW-1	0915	9.15	23.80	14.65	21.53	64.60	
-2	0910	8.37	22.20	13.83	8.99	26.97	Flange threads stripped
-3	0900	10.32	22.80	12.48	8.11	24.33	
-4	0850	7.67	23.40	15.73	2.51	7.55	
-5	0905	8.94	23.40	14.46	2.31	6.94	
-6	0845	10.93	23.40	12.47	1.99	5.98	
✓ -7	0855	5.31	23.30	17.99	2.87	8.63	

Well Volume Calculation:
 $(2' \times 0.18) (4' \times 0.65) (6'' \times 1.47)$



Monitoring Data

APEX
ENVIROTECH, INC.

Project: Potter Robbie #60
Project Number: BMA01.001
Date: 12/2/05
Recorded By: RCM

WELL	TIME	TEMP (deg \square)	pH	COND. (μ S/cm)	DISSOLVED OXYGEN	TOTAL VOLUME REMOVED	COMMENTS/OBSERVATIONS
MW-6	0933	16.5	6.6	776		2	
	0939	17.0	6.9	806		4	
	0944	17.9	7.1	815		6	samp lot @ 1405
	0952	17.6	7.2	701		2.50	
MW-4	0957	19.2	7.2	754		5	
	1002	19.0	7.3	763		7.50	samp lot @ 1415
	1012	17.9	7.3	400		3	
	1016	18.1	6.9	410		6	
MW-3	1021	18.4	6.8	263		8.75	samp lot @ 1425 1.5 gpm
	1045	17.4	6.9	792		8	
	1051	18.4	6.9	794		16	
	1056	19.3	6.9	461		34	samp lot @ 1435

TEMPH.xls
4/1/97



Monitoring Data

Project:

Project Number: RMAOL-001
Date: 12/2/05
Recorded By: DCM

WELL	TIME	TEMP (deg C)	pH	COND. (uS/cm)	DISSOLVED OXYGEN	TOTAL VOLUME REMOVED	COMMENTS/OBSERVATIONS
MW-5	1106	20.0	6.7	858		2.25	
	1111	19.7	6.7	1142		4.75	
	1116	19.6	6.7	1156		7	Samp led @ 1445 1.5 ppm
MW-2	1131	20.7	6.8	868		9	
	1137	21.8	6.7	883		18	
	1143	21.6	6.7	892		27	Samp led @ 1455
MW-1	1250	21.2	6.7	1274		22	
	1304	21.3	6.7	1289		44	
	1319	19.8	6.7	1297		66	samp led @ 1505

APPENDIX C

**LABORATORY ANALYTICAL REPORT AND
CHAIN-OF-CUSTODY FORM**

CALIFORNIA LABORATORY SERVICES

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APEX Envirotech Inc - Gold River
11244 Pyrites Way
Gold River, CA 95670

Project: Rotten Robbie Service Station #60
Project Number: RMA01 001-QM CLS Work Order #: COL0146
Project Manager: Kelli Felker

CALIFORNIA LABORATORY SERVICES CHAIN OF CUSTODY

Report To:				Client Job Number		ANALYSIS REQUESTED										GEOTRACKER					
				RMA01.001-QM		T	T	B	7	I	E	P	P	T	o	2	D				
				Destination Laboratory		H	H	E	x	D	B	H	H	E	x	D	B				
Apex Envirotech, Inc.						g	d	X	y	C	8	g	8	g	A	8					
11244 Pyrites Wy., Gold River, CA 95670						8	8	g	e	8	6	0	0	8	e	2					
Project Manager Kelli Felker						1	1	0	n	8	0	5	5	2	t	2	0				
Project Name Rotten Robbie Service Station #60						5	5	0	a	6											
Sampled By <i>R. Mygon</i>																					
Job Description 4 th qtr water						<input type="checkbox"/> OTHER										FIELD CONDITIONS					
Site Location 55 Todd Road Santa Rosa																COMPOSITE					
DATE	TIME	SAMPLE IDENTIFICATION		FIELD ID.	MATRIX	CONTAINER NO.		TYPE		▼				TURNAROUND TIME IN DAYS				SPECIAL INSTRUCTIONS			
12/12/05 1505	1505	MW-1		MW-1	water	4	Voa/A	1	X	X	X	X	X	X	X	1	2	5	10	DL for oxyg.= 0.50 ug/L.	
1455	1455	MW-2		MW-2	water	4	Voa/A	1	X	X	X	X	X	X	X						
1435	1435	MW-3		MW-3	water	4	Voa/A	1	X	X	X	X	X	X	X						
1415	1415	MW-4		MW-4	water	4	Voa/A	1	X	X	X	X	X	X	X						
1445	1445	MW-5		MW-5	water	4	Voa/A	1	X	X	X	X	X	X	X						
1405	1405	MW-6		MW-6	water	4	Voa/A	1	X	X	X	X	X	X	X						
1425	1425	MW-7		MW-7	water	4	Voa/A	1	X	X	X	X	X	X	X					INVOICE TO:	
SUSPECTED CONSTITUENTS										SAMPLE RETENTION TIME								PRESERVATIVES (1) HCl (2) = COLD (2) HNO ₃ (4)			
RElinquished BY (Signature)			PRINT NAME/COMPANY			DATE/TIME		RECEIVED BY (Signature)		PRINT NAME/COMPANY											
<i>R. Mygon / Apex</i>			<i>Bob Mygon / Apex</i>			12/12/05 18:00		<i>12/12/05 18:00</i>		<i>12/12/05 18:00</i>											
RECEIVED AT LAB BY: <i>W. M. Mygon</i>			DATE/TIME: 12-12-05 18:46			CONDITIONS/COMMENTS: <i>101</i>															
SHIPPED BY:		<input type="checkbox"/> FED EX		<input type="checkbox"/> UPS		<input type="checkbox"/> OTHER		AIR BILL #													

CA DOHS ELAP Accreditation/Registration Number 1233

CALIFORNIA LABORATORY SERVICES

3249 Fitzgerald Road Rancho Cordova, CA 95742

December 12, 2005

CLS Work Order #: COL0146
COC #: No Number

Kelli Felker
APEX Envirotech Inc. - Gold River
11244 Pyrites Way
Gold River, CA 95670

Project Name: Rotten Robbie Service Station #60

Enclosed are the results of analyses for samples received by the laboratory on 12/05/05 08:40.
Samples were analyzed pursuant to client request utilizing EPA or other ELAP approved
methodologies. I certify that the results are in compliance both technically and for completeness.

Analytical results are attached to this letter. Please call if we can provide additional assistance.

Sincerely,



James Liang, Ph.D.
Laboratory Director

CA DOHS ELAP Accreditation/Registration number 1233

CALIFORNIA LABORATORY SERVICES

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APEX Envirotech Inc. - Gold River
11244 Pyrites Way
Gold River, CA 95670

Project: Rotten Robbie Service Station #60
Project Number: RMA01.001-QM CLS Work Order #: COL0146
Project Manager: Kelli Felker

Extractable Petroleum Hydrocarbons by EPA Method 8015M

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (COL0146-01) Water Sampled: 12/02/05 15:05 Received: 12/05/05 08:40									
Diesel	8.7	0.25	mg/L	5	CO09195	12/05/05	12/07/05	EPA 8015M	DSL-1
MW-2 (COL0146-02) Water Sampled: 12/02/05 14:55 Received: 12/05/05 08:40									
Diesel	0.20	0.050	mg/L	1	CO09195	12/05/05	12/07/05	EPA 8015M	DSL-1
MW-3 (COL0146-03) Water Sampled: 12/02/05 14:35 Received: 12/05/05 08:40									
Diesel	ND	0.050	mg/L	1	CO09195	12/05/05	12/07/05	EPA 8015M	
MW-4 (COL0146-04) Water Sampled: 12/02/05 14:15 Received: 12/05/05 08:40									
Diesel	ND	0.050	mg/L	1	CO09195	12/05/05	12/07/05	EPA 8015M	
MW-5 (COL0146-05) Water Sampled: 12/02/05 14:45 Received: 12/05/05 08:40									
Diesel	0.62	0.050	mg/L	1	CO09195	12/05/05	12/07/05	EPA 8015M	DSL-1
MW-6 (COL0146-06) Water Sampled: 12/02/05 14:05 Received: 12/05/05 08:40									
Diesel	ND	0.050	mg/L	1	CO09195	12/05/05	12/07/05	EPA 8015M	
MW-7 (COL0146-07) Water Sampled: 12/02/05 14:25 Received: 12/05/05 08:40									
Diesel	ND	0.050	mg/L	1	CO09195	12/05/05	12/07/05	EPA 8015M	

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APEX Envirotech Inc. - Gold River
11244 Pyrites Way
Gold River, CA 95670

Project: Rotten Robbie Service Station #60
Project Number: RMA01.001-QM CLS Work Order #: COL0146
Project Manager: Kelli Felker

Gas/BTEX by GC PID/FID

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (COL0146-01) Water Sampled: 12/02/05 15:05 Received: 12/05/05 08:40									
Gasoline	22000	5000	µg/L	100	CO09243	12/07/05	12/07/05	8015M/8021B	GC-25
Benzene	150	50	"	"	"	"	"	"	"
Toluene	1800	50	"	"	"	"	"	"	"
Ethylbenzene	1500	50	"	"	"	"	"	"	"
Xylenes (total)	5300	100	"	"	"	"	"	"	"
<i>Surrogate o-Chlorotoluene (Gas)</i>	98.5 %	65-135		"	"	"	"	"	"
MW-2 (COL0146-02) Water Sampled: 12/02/05 14:55 Received: 12/05/05 08:40									
Gasoline	400	250	µg/L	5	CO09243	12/07/05	12/07/05	8015M/8021B	GC-25
Benzene	15	2.5	"	"	"	"	"	"	"
Toluene	4.4	2.5	"	"	"	"	"	"	"
Ethylbenzene	15	2.5	"	"	"	"	"	"	"
Xylenes (total)	16	5.0	"	"	"	"	"	"	"
<i>Surrogate o-Chlorotoluene (Gas)</i>	92.0 %	65-135		"	"	"	"	"	"
MW-3 (COL0146-03) Water Sampled: 12/02/05 14:35 Received: 12/05/05 08:40									
Gasoline	ND	50	µg/L	1	CO09242	12/06/05	12/06/05	8015M/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	"
Toluene	ND	0.50	"	"	"	"	"	"	"
Ethylbenzene	ND	0.50	"	"	"	"	"	"	"
Xylenes (total)	ND	1.0	"	"	"	"	"	"	"
<i>Surrogate o-Chlorotoluene (Gas)</i>	96.0 %	65-135		"	"	"	"	"	"
MW-4 (COL0146-04) Water Sampled: 12/02/05 14:15 Received: 12/05/05 08:40									
Gasoline	ND	50	µg/L	1	CO09243	12/07/05	12/07/05	8015M/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	"
Toluene	ND	0.50	"	"	"	"	"	"	"
Ethylbenzene	ND	0.50	"	"	"	"	"	"	"
Xylenes (total)	ND	1.0	"	"	"	"	"	"	"
<i>Surrogate o-Chlorotoluene (Gas)</i>	91.0 %	65-135		"	"	"	"	"	"

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CALIFORNIA LABORATORY SERVICES

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APEX Envirotech Inc - Gold River
11244 Pyrites Way
Gold River, CA 95670

Project: Rotten Robbie Service Station #60
Project Number: RMA01.001-QM CLS Work Order #: COL0146
Project Manager: Kelli Felker

Gas/BTEX by GC PID/FID

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-5 (COL0146-05) Water Sampled: 12/02/05 14:45 Received: 12/05/05 08:40									
Gasoline	1800	500	µg/L	10	CO09243	12/07/05	12/07/05	8015M/8021B	GC-25
Benzene	160	5.0	"	"	"	"	"	"	"
Toluene	25	5.0	"	"	"	"	"	"	"
Ethylbenzene	51	5.0	"	"	"	"	"	"	"
Xylenes (total)	42	10	"	"	"	"	"	"	"
<i>Surrogate o-Chlorotoluene (Gas)</i> 93.0 % 65-135 " " " "									
MW-6 (COL0146-06) Water Sampled: 12/02/05 14:05 Received: 12/05/05 08:40									
Gasoline	ND	50	µg/L	1	CO09243	12/07/05	12/07/05	8015M/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	"
Toluene	ND	0.50	"	"	"	"	"	"	"
Ethylbenzene	ND	0.50	"	"	"	"	"	"	"
Xylenes (total)	ND	1.0	"	"	"	"	"	"	"
<i>Surrogate o-Chlorotoluene (Gas)</i> 94.0 % 65-135 " " " "									
MW-7 (COL0146-07) Water Sampled: 12/02/05 14:25 Received: 12/05/05 08:40									
Gasoline	ND	50	µg/L	1	CO09243	12/07/05	12/07/05	8015M/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	"
Toluene	ND	0.50	"	"	"	"	"	"	"
Ethylbenzene	ND	0.50	"	"	"	"	"	"	"
Xylenes (total)	ND	1.0	"	"	"	"	"	"	"
<i>Surrogate o-Chlorotoluene (Gas)</i> 94.5 % 65-135 " " " "									

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APEX Envirotech Inc - Gold River
11244 Pyrites Way
Gold River, CA 95670

Project: Rotten Robbie Service Station #60
Project Number: RMA01 001-QM CLS Work Order #: COL0146
Project Manager: Kelli Felker

Non-halogenated Organic Compounds by EPA 8015

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (COL0146-01) Water Sampled: 12/02/05 15:05 Received: 12/05/05 08:40									
Ethanol	ND	2.0	mg/L	1	CO09238	12/06/05	12/06/05	EPA 8015B	
Methanol	ND	2.0	"	"	"	"	"	"	"
MW-2 (COL0146-02) Water Sampled: 12/02/05 14:55 Received: 12/05/05 08:40									
Ethanol	ND	2.0	mg/L	1	CO09238	12/06/05	12/06/05	EPA 8015B	
Methanol	ND	2.0	"	"	"	"	"	"	"
MW-3 (COL0146-03) Water Sampled: 12/02/05 14:35 Received: 12/05/05 08:40									
Ethanol	ND	2.0	mg/L	1	CO09238	12/06/05	12/06/05	EPA 8015B	
Methanol	ND	2.0	"	"	"	"	"	"	"
MW-4 (COL0146-04) Water Sampled: 12/02/05 14:15 Received: 12/05/05 08:40									
Ethanol	ND	2.0	mg/L	1	CO09238	12/06/05	12/06/05	EPA 8015B	
Methanol	ND	2.0	"	"	"	"	"	"	"
MW-5 (COL0146-05) Water Sampled: 12/02/05 14:45 Received: 12/05/05 08:40									
Ethanol	ND	2.0	mg/L	1	CO09238	12/06/05	12/06/05	EPA 8015B	
Methanol	ND	2.0	"	"	"	"	"	"	"
MW-6 (COL0146-06) Water Sampled: 12/02/05 14:05 Received: 12/05/05 08:40									
Ethanol	ND	2.0	mg/L	1	CO09238	12/06/05	12/06/05	EPA 8015B	
Methanol	ND	2.0	"	"	"	"	"	"	"
MW-7 (COL0146-07) Water Sampled: 12/02/05 14:25 Received: 12/05/05 08:40									
Ethanol	ND	2.0	mg/L	1	CO09238	12/06/05	12/06/05	EPA 8015B	
Methanol	ND	2.0	"	"	"	"	"	"	"

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APEX Envirotech Inc - Gold River
11244 Pyrites Way
Gold River, CA 95670

Project: Rotten Robbie Service Station #60
Project Number: RMA01.001-QM CLS Work Order #: COL0146
Project Manager: Kelli Felker

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (COL0146-01) Water Sampled: 12/02/05 15:05 Received: 12/05/05 08:40									
Di-isopropyl ether	ND	25	µg/L	50	CO09175	12/05/05	12/05/05	EPA 8260B	
Ethyl tert-butyl ether	ND	25	"	"	"	"	"	"	"
Methyl tert-butyl ether	37000	200	"	400	"	"	"	"	"
tert-Amyl methyl ether	200	25	"	50	"	"	"	"	"
Tert-butyl alcohol	25000	250	"	"	"	"	"	"	"
1,2-Dibromoethane (EDB)	ND	25	"	"	"	"	"	"	"
1,2-Dichloroethane	ND	25	"	"	"	"	"	"	"
<i>Surrogate: Toluene-d8</i> 102 % 72-125 " " " "									
MW-2 (COL0146-02) Water Sampled: 12/02/05 14:55 Received: 12/05/05 08:40									
Di-isopropyl ether	ND	25	µg/L	50	CO09175	12/05/05	12/05/05	EPA 8260B	
Ethyl tert-butyl ether	ND	25	"	"	"	"	"	"	"
Methyl tert-butyl ether	3300	25	"	"	"	"	"	"	"
tert-Amyl methyl ether	37	25	"	"	"	"	"	"	"
Tert-butyl alcohol	11000	250	"	"	"	"	"	"	"
1,2-Dibromoethane (EDB)	ND	25	"	"	"	"	"	"	"
1,2-Dichloroethane	ND	25	"	"	"	"	"	"	"
<i>Surrogate: Toluene-d8</i> 99.7 % 72-125 " " " "									
MW-3 (COL0146-03) Water Sampled: 12/02/05 14:35 Received: 12/05/05 08:40									
Di-isopropyl ether	ND	2.5	µg/L	5	CO09175	12/05/05	12/05/05	EPA 8260B	
Ethyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	"
Methyl tert-butyl ether	520	2.5	"	"	"	"	"	"	"
tert-Amyl methyl ether	ND	2.5	"	"	"	"	"	"	"
Tert-butyl alcohol	1100	2.5	"	"	"	"	"	"	"
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	"
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	"
<i>Surrogate: Toluene-d8</i> 101 % 72-125 " " " "									

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CALIFORNIA LABORATORY SERVICES

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APEX Envirotech Inc - Gold River 11244 Pyrites Way Gold River, CA 95670	Project: Rotten Robbie Service Station #60 Project Number: RMA01 001-QM Project Manager: Kelli Felker	CLS Work Order #: COL0146
---	---	---------------------------

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-4 (COL0146-04) Water Sampled: 12/02/05 14:15 Received: 12/05/05 08:40									
Di-isopropyl ether	ND	0.50	µg/L	1	CO09175	12/05/05	12/05/05	EPA 8260B	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	"
Methyl tert-butyl ether	18	0.50	"	"	"	"	"	"	"
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	"
Tert-butyl alcohol	24	5.0	"	"	"	"	"	"	"
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	"
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	"
<i>Surrogate: Toluene-d8</i> 99.7 % 72-125 " " " "									
MW-5 (COL0146-05) Water Sampled: 12/02/05 14:45 Received: 12/05/05 08:40									
Di-isopropyl ether	ND	25	µg/L	50	CO09175	12/05/05	12/05/05	EPA 8260B	
Ethyl tert-butyl ether	ND	25	"	"	"	"	"	"	"
Methyl tert-butyl ether	1100	25	"	"	"	"	"	"	"
tert-Amyl methyl ether	ND	25	"	"	"	"	"	"	"
Tert-butyl alcohol	12000	250	"	"	"	"	"	"	"
1,2-Dibromoethane (EDB)	ND	25	"	"	"	"	"	"	"
1,2-Dichloroethane	ND	25	"	"	"	"	"	"	"
<i>Surrogate: Toluene-d8</i> 99.7 % 72-125 " " " "									
MW-6 (COL0146-06) Water Sampled: 12/02/05 14:05 Received: 12/05/05 08:40									
Di-isopropyl ether	ND	0.50	µg/L	1	CO09175	12/05/05	12/05/05	EPA 8260B	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	"
Methyl tert-butyl ether	2.3	0.50	"	"	"	"	"	"	"
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	"
Tert-butyl alcohol	36	5.0	"	"	"	"	"	"	"
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	"
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	"
<i>Surrogate: Toluene-d8</i> 97.1 % 72-125 " " " "									

CA DOHS ELAP Accreditation/Registration Number 1233

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APEX Envirotech Inc - Gold River
11244 Pyrites Way
Gold River, CA 95670

Project: Rotten Robbie Service Station #60
Project Number: RMA01 001-QM CLS Work Order #: COL 0146
Project Manager: Kelli Felker

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-7 (COL0146-07) Water Sampled: 12/02/05 14:25 Received: 12/05/05 08:40									
Di-isopropyl ether	ND	0.50	µg/L	1	CO09175	12/05/05	12/05/05	EPA 8260B	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	"
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	"
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	"
Tert-butyl alcohol	ND	5.0	"	"	"	"	"	"	"
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	"
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	"

Surrogate Toluene-d8 99.4 % 72-125 " " " "

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APEX Envirotech Inc - Gold River
11244 Pyrites Way
Gold River, CA 95670

Project: Rotten Robbie Service Station #60
Project Number: RMA01 001-QM CLS Work Order #: COL0146
Project Manager: Kelli Felker

Extractable Petroleum Hydrocarbons by EPA Method 8015M - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CO09195 - EPA 3510B GCNV										
Blank (CO09195-BLK1)										
Diesel	ND	0 050	mg/L							
LCS (CO09195-BS1)										
Diesel	2.38	0.050	mg/L	2.50		95.2	65-135			
LCS Dup (CO09195-BSD1)										
Diesel	2.38	0.050	mg/L	2.50		95.2	65-135	0.00	30	
Matrix Spike (CO09195-MS1)										
Diesel	2.69	0.050	mg/L	2.50	ND	108	46-137			
Matrix Spike Dup (CO09195-MSD1)										
Diesel	2.60	0.050	mg/L	2.50	ND	104	46-137	3.40	30	

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APEX Envirotech Inc - Gold River 11244 Pyrites Way Gold River, CA 95670	Project: Rotten Robbie Service Station #60 Project Number: RMA01.001-QM Project Manager: Kelli Felker	CLS Work Order #: COL0146
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Gas/BTEX by GC PID/FID - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch CO09242 - EPA 5030 Water GC

Blank (CO09242-BLK1)		Prepared & Analyzed: 12/06/05					
Gasoline	ND	50	µg/L				
Benzene	ND	0.50	"				
Toluene	ND	0.50	"				
Ethylbenzene	ND	0.50	"				
Xylenes (total)	ND	1.0	"				
Surrogate o-Chlorotoluene (BTEX)	23.0		"	20.0	115	65-135	
Surrogate o-Chlorotoluene (Gas)	18.8		"	20.0	94.0	65-135	

LCS (CO09242-BS1)

		Prepared & Analyzed: 12/06/05					
Gasoline	592	50	µg/L	500	118	65-135	
Surrogate o-Chlorotoluene (Gas)	19.9		"	20.0	99.5	65-135	

LCS Dup (CO09242-BSD1)

		Prepared & Analyzed: 12/06/05					
Gasoline	519	50	µg/L	500	104	65-135	13.1
Surrogate o-Chlorotoluene (Gas)	19.8		"	20.0	99.0	65-135	30

Matrix Spike (CO09242-MS1)

		Source: COL0146-03	Prepared & Analyzed: 12/06/05					
Gasoline	536	50	µg/L	500	ND	107	65-135	
Surrogate o-Chlorotoluene (Gas)	20.3		"	20.0		102	65-135	

Matrix Spike Dup (CO09242-MSD1)

		Source: COL0146-03	Prepared & Analyzed: 12/06/05					
Gasoline	494	50	µg/L	500	ND	98.8	65-135	8.16
Surrogate o-Chlorotoluene (Gas)	19.5		"	20.0		97.5	65-135	30

Batch CO09243 - EPA 5030 Water GC

Blank (CO09243-BLK1)		Prepared & Analyzed: 12/07/05					
Gasoline	ND	50	µg/L				
Benzene	ND	0.50	"				
Toluene	ND	0.50	"				
Ethylbenzene	ND	0.50	"				
Xylenes (total)	ND	1.0	"				

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APEX Envirotech Inc - Gold River
11244 Pyrites Way
Gold River, CA 95670

Project: Rotten Robbie Service Station #60
Project Number: RMA01 001-QM CLS Work Order #: COL0146
Project Manager: Kelli Felker

Gas/BTEX by GC PID/FID - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch CO09243 - EPA 5030 Water GC

Blank (CO09243-BLK1)

Prepared & Analyzed: 12/07/05

Surrogate o-Chlorotoluene (BTEX)	23.0	μg/L	20.0	115	65-135
Surrogate o-Chlorotoluene (Gas)	18.6	"	20.0	93.0	65-135

LCS (CO09243-BS1)

Prepared & Analyzed: 12/07/05

Gasoline	519	50	μg/L	500	104	65-135
Surrogate o-Chlorotoluene (Gas)	18.2	"		20.0	91.0	65-135

LCS Dup (CO09243-BSD1)

Prepared & Analyzed: 12/07/05

Gasoline	573	50	μg/L	500	115	65-135	9.89	30
Surrogate o-Chlorotoluene (Gas)	19.7	"		20.0	98.5	65-135		

Matrix Spike (CO09243-MS1)

Source: COL0166-04 Prepared & Analyzed: 12/07/05

Gasoline	5820	500	μg/L	5000	1400	88.4	65-135
Surrogate o-Chlorotoluene (Gas)	224	"		200	112	65-135	

Matrix Spike Dup (CO09243-MSD1)

Source: COL0166-04 Prepared & Analyzed: 12/07/05

Gasoline	7060	500	μg/L	5000	1400	113	65-135	19.3	30
Surrogate o-Chlorotoluene (Gas)	197	"		200		98.5	65-135		

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APEX Envirotech Inc - Gold River
11244 Pyrites Way
Gold River, CA 95670

Project: Rotten Robbie Service Station #60
Project Number: RMA01.001-QM CLS Work Order #: COL0146
Project Manager: Kelli Felker

Non-halogenated Organic Compounds by EPA 8015 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CO09238 - Direct Inj. GCNV										
Blank (CO09238-BLK1)										
Prepared & Analyzed: 12/06/05										
Ethanol										
ND										
Methanol										
ND										
LCS (CO09238-BS1)										
Prepared & Analyzed: 12/06/05										
Methanol	45.3	2.0	mg/L	50.0		90.6	75-125			
LCS Dup (CO09238-BSD1)										
Prepared & Analyzed: 12/06/05										
Methanol	49.3	2.0	mg/L	50.0		98.6	75-125	8.46	30	
Matrix Spike (CO09238-MS1)										
Source: COL0151-01										
Methanol	46.6	2.0	mg/L	50.0	ND	93.2	75-125			
Matrix Spike Dup (CO09238-MSD1)										
Source: COL0151-01										
Prepared & Analyzed: 12/06/05										
Methanol	45.1	2.0	mg/L	50.0	ND	90.2	75-125	3.27	30	

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APEX Envirotech Inc. - Gold River
11244 Pyrites Way
Gold River, CA 95670

Project: Rotten Robbie Service Station #60
Project Number: RMA01 001-QM CLS Work Order #: COL0146
Project Manager: Kelli Felker

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CO09175 - EPA 5030 Water MS										
Blank (CO09175-BLK1)										
Prepared & Analyzed: 12/05/05										
Di-isopropyl ether	ND	0.50	µg/L							
Ethyl tert-butyl ether	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
tert-Amyl methyl ether	ND	0.50	"							
Tert-butyl alcohol	ND	5.0	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	1.0	"							
Surrogate Toluene-d8	9.93		"	10.0		99.3	72-125			
LCS (CO09175-BS1)										
Prepared & Analyzed: 12/05/05										
Methyl tert-butyl ether	20.1	0.50	µg/L	20.0		100	52-130			
Surrogate Toluene-d8	10.2		"	10.0		102	72-125			
LCS Dup (CO09175-BSD1)										
Prepared & Analyzed: 12/05/05										
Methyl tert-butyl ether	20.3	0.50	µg/L	20.0		102	52-130	0.990	30	
Surrogate Toluene-d8	10.1		"	10.0		101	72-125			

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APEX Envirotech Inc. - Gold River
11244 Pyrites Way
Gold River, CA 95670

Project: Rotten Robbie Service Station #60
Project Number: RMA01 001-QM **CLS Work Order #: COL0146**
Project Manager: Kelli Felker

Notes and Definitions

- GC-25 Weathered gasoline
- DSL-1 Although sample contains compounds in the retention time range associated with diesel, the chromatogram was not consistent with the expected chromatographic pattern or "fingerprint". However, the reported concentration is based on diesel
- DEI Analyte DEIECTED
- ND Analyte NOT DEIECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference